

FIG. 1

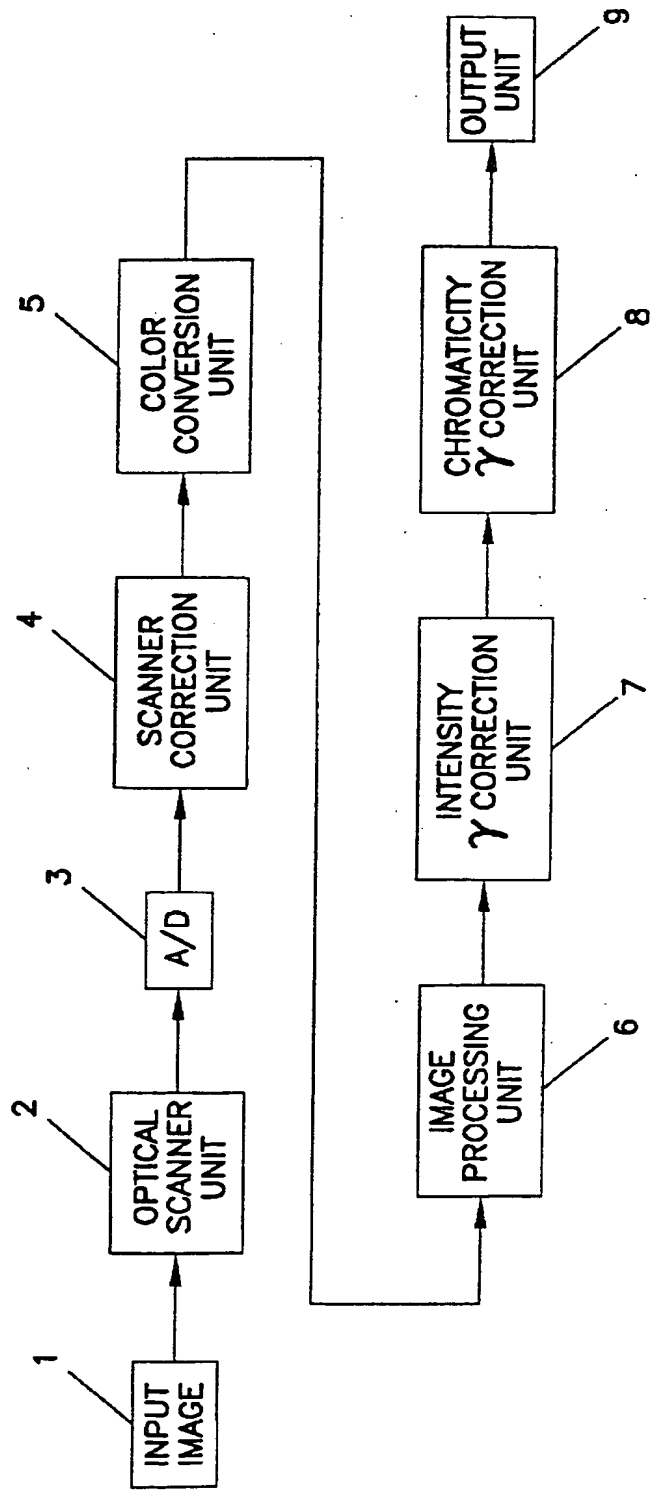


FIG. 2

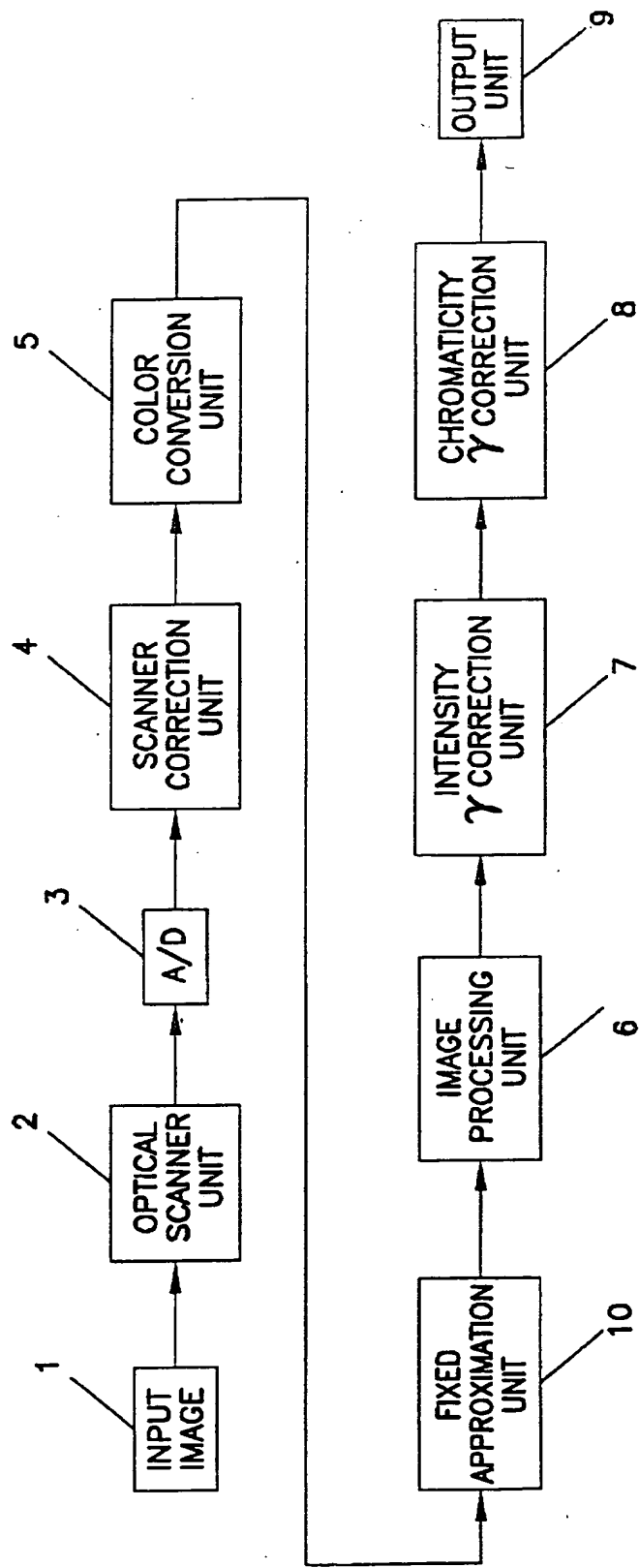


FIG. 3A

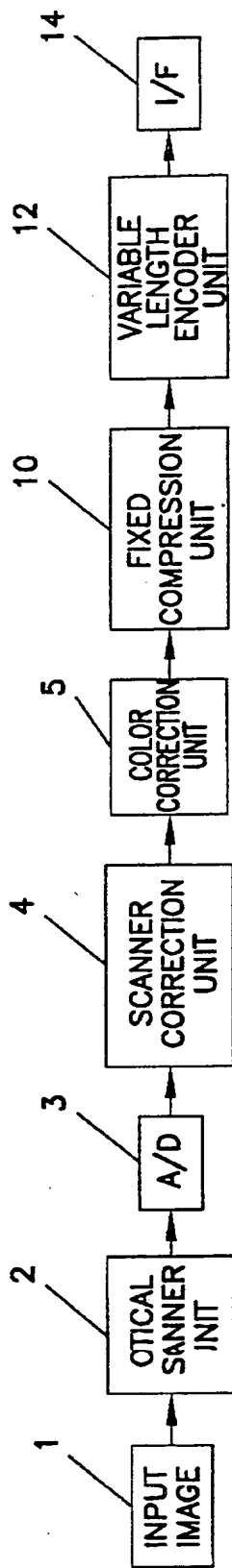


FIG. 3B

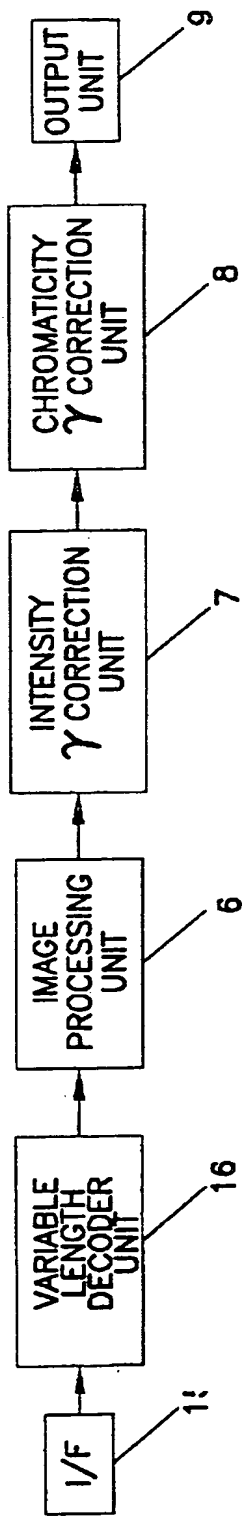


FIG. 4A

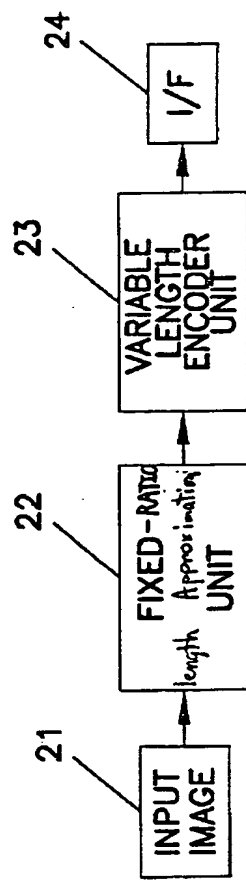


FIG. 4B

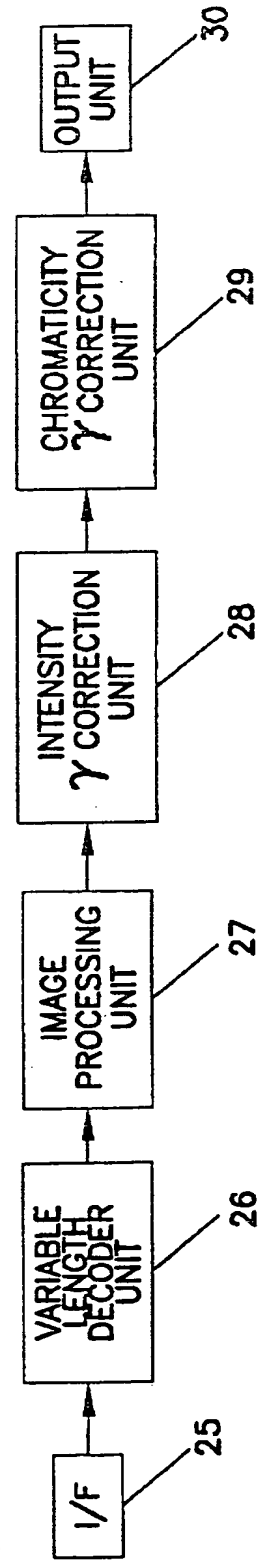


FIG. 5A

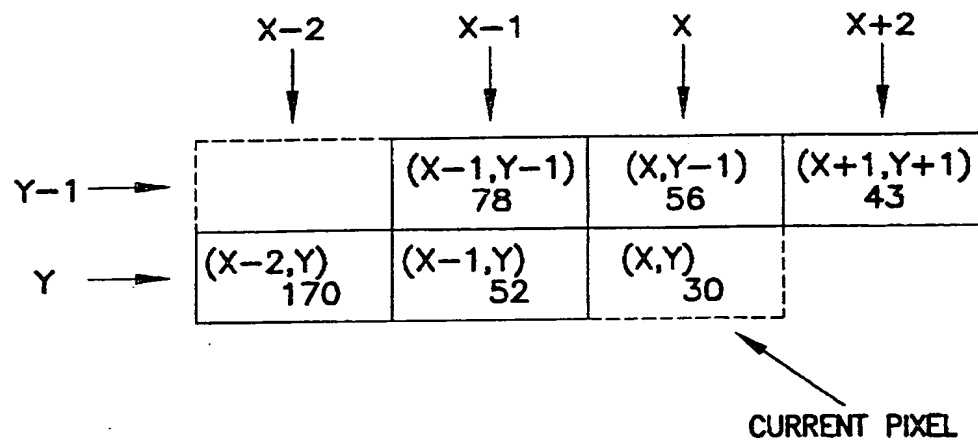


FIG. 5B

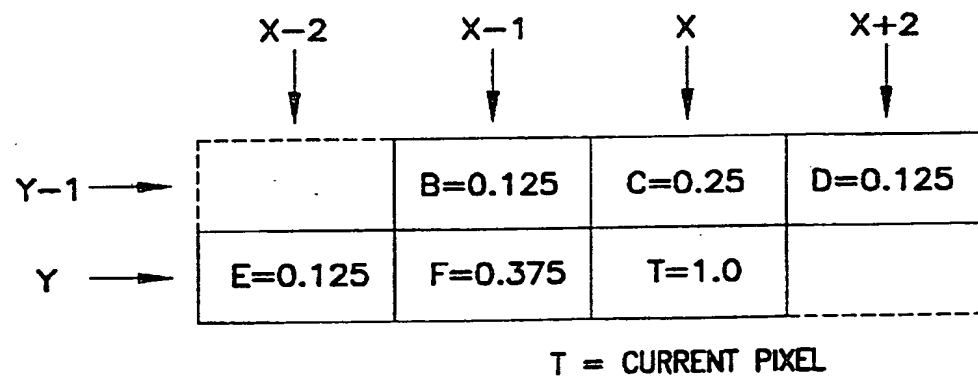


FIG. 6A

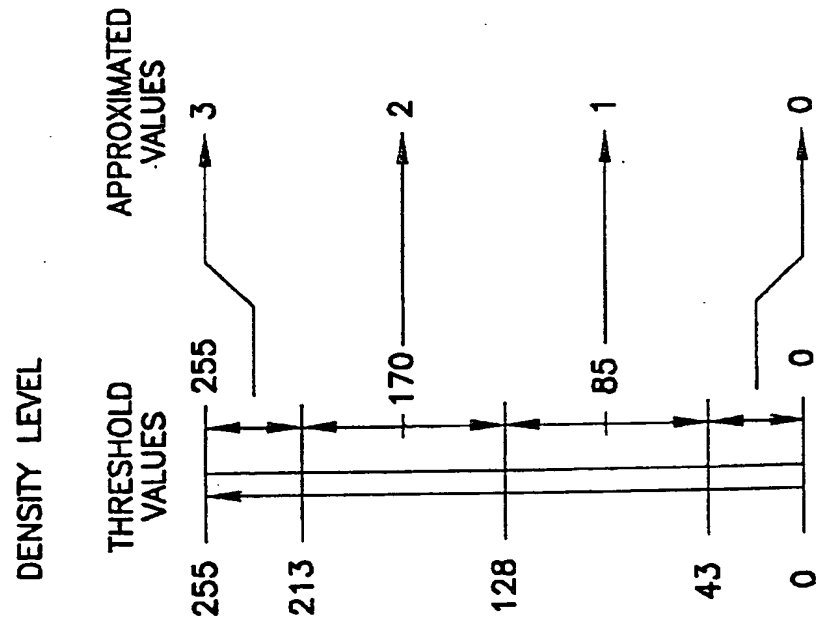


FIG. 6A

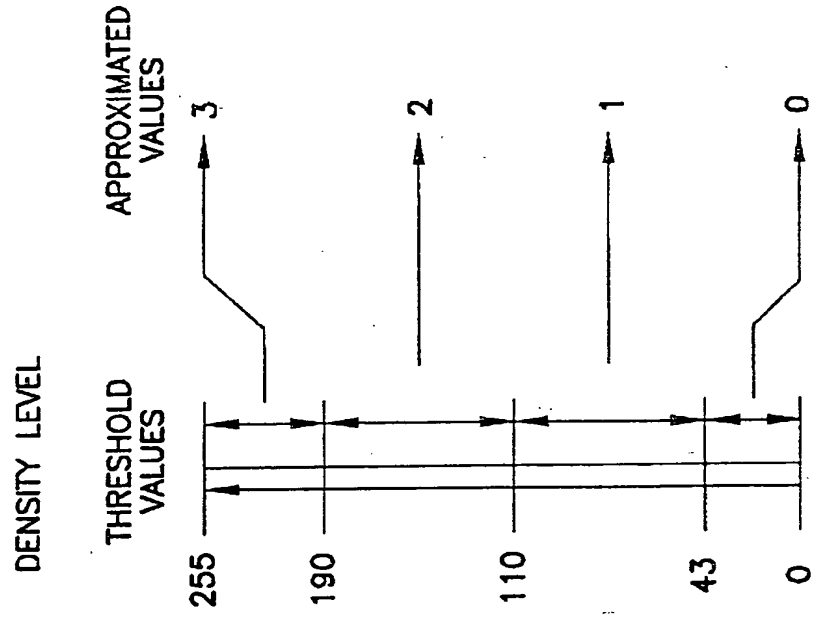


FIG. 7A

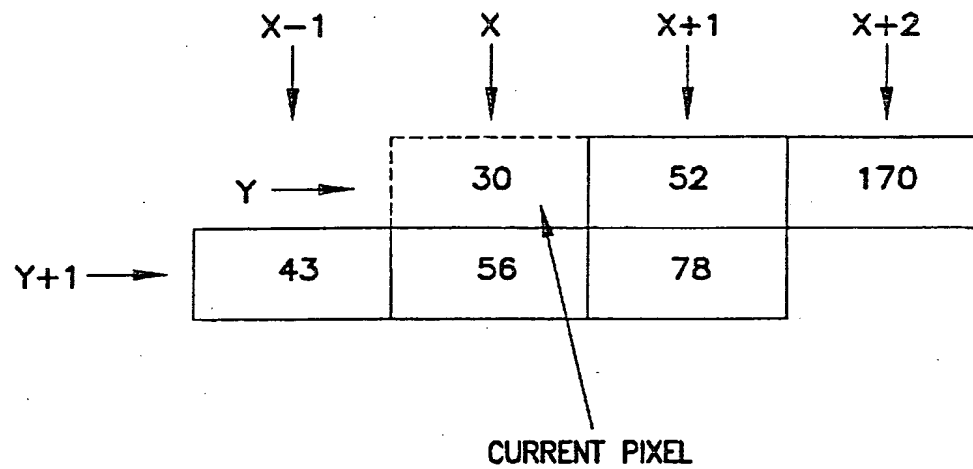


FIG. 7B

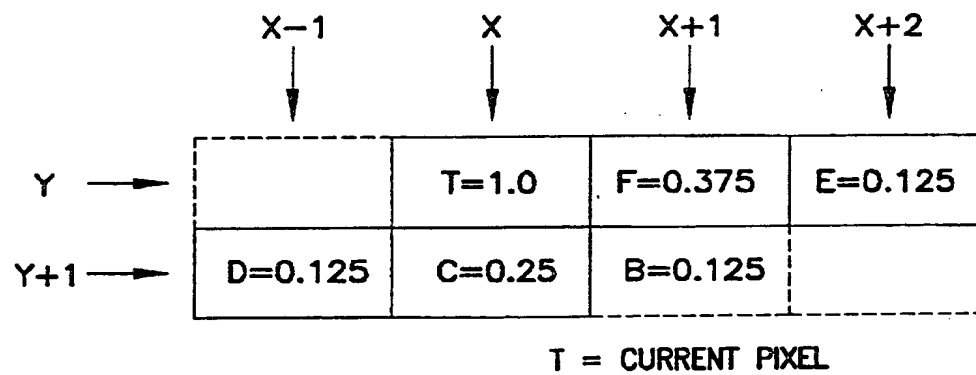


FIG. 9A

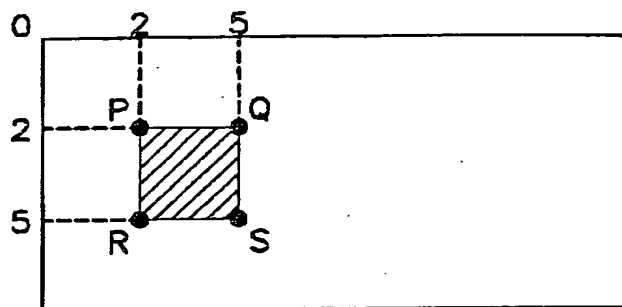


FIG. 9B

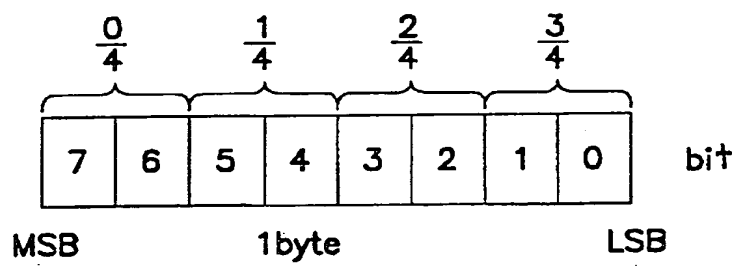


FIG. 10A

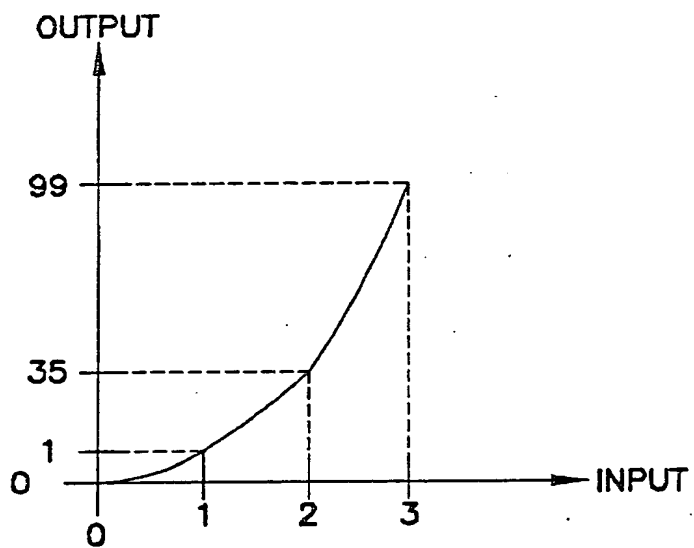


FIG. 10B

| INPUT | OUTPUT |
|-------|--------|
| 0 | 0 |
| 1 | 10 |
| 2 | 35 |
| 3 | 99 |

FIG. 11A

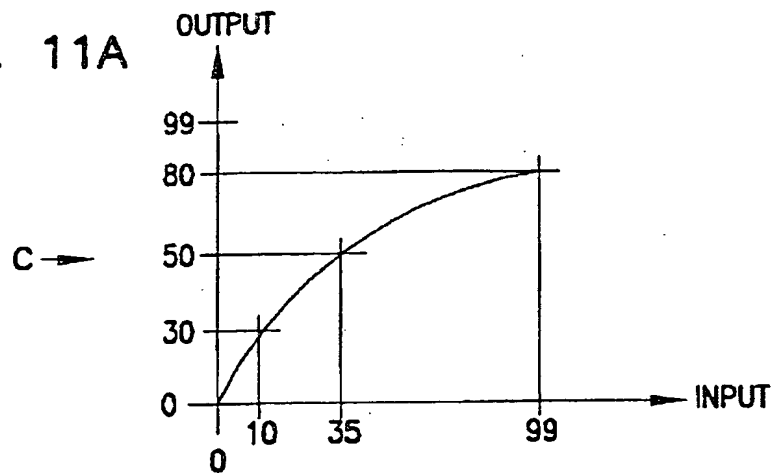


FIG. 11B

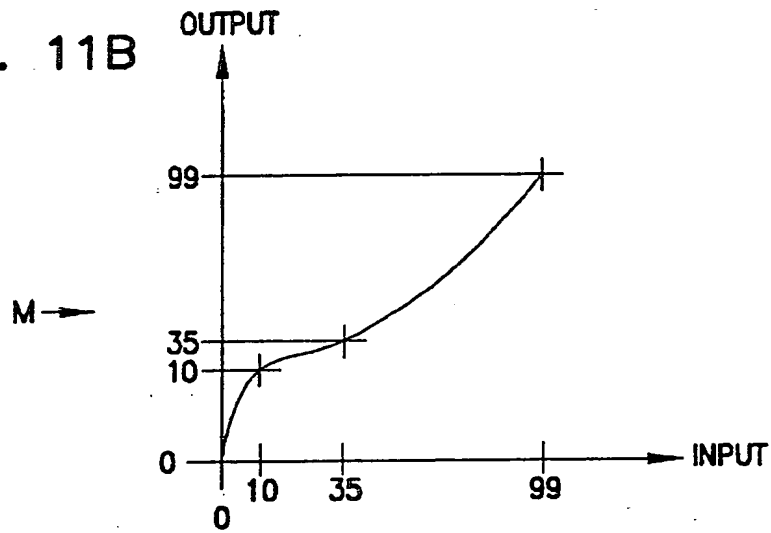


FIG. 11C

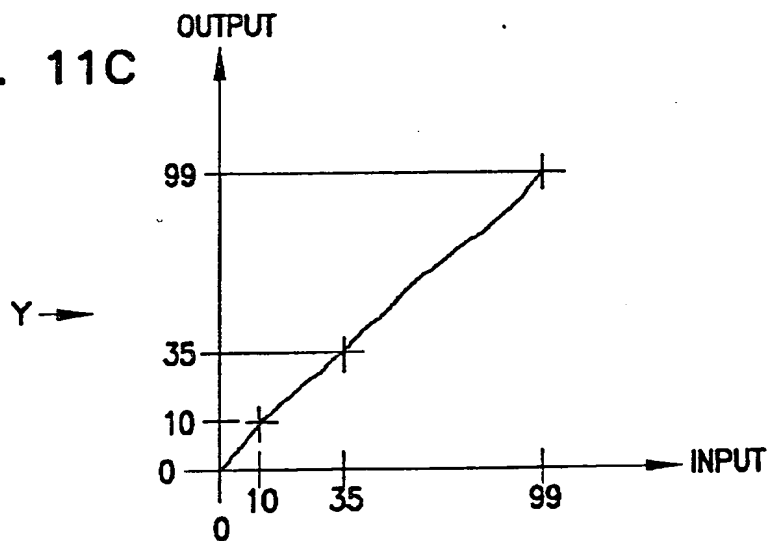


FIG. 11D

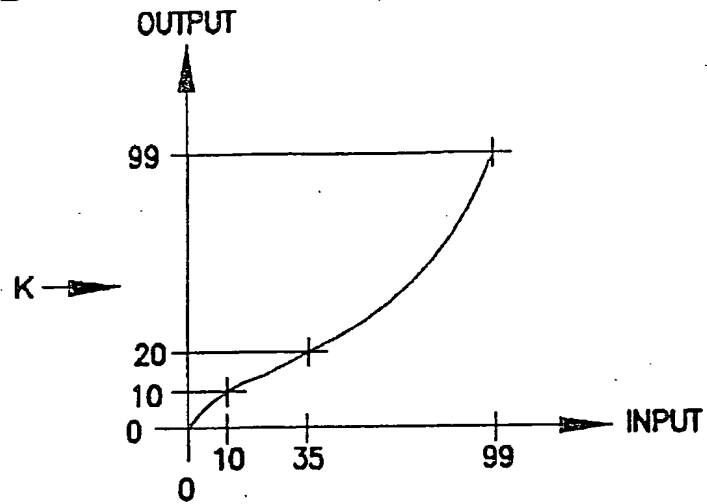


FIG. 11E

| INPUT | OUTPUT | | | |
|-------|--------|----|----|----|
| | C | M | Y | K |
| 0 | 0 | 0 | 0 | 0 |
| 10 | 30 | 35 | 10 | 10 |
| 35 | 50 | 40 | 35 | 20 |
| 99 | 80 | 99 | 99 | 99 |

FIG. 12

| INPUT (4 VALUES) | OUTPUT | | | |
|---------------------|--------|----|----|----|
| | C | M | Y | K |
| 0 | 0 | 0 | 0 | 0 |
| 1 | 30 | 35 | 10 | 10 |
| 2 | 50 | 40 | 35 | 20 |
| 3 | 80 | 99 | 99 | 99 |

FIG. 13

| | CONVENTIONAL APPARATUS | | | PREFERRED EMBODIMENT |
|------------------------|------------------------|----------------------------------|--|------------------------|
| | NO COMPRESSION | COMPRESSION JUST PRIOR TO OUTPUT | VARIABLE COMPRESSION PROCESS | FIXED COMPRESSION UNIT |
| DATA PROCESSING AMOUNT | | 62 MB | N/A | 15.5 MB |
| DATA PROCESSING SPEED | | 10.3 MB/sec | N/A | 2.58 MB/sec |
| IMAGE PROCESSING | | POSSIBLE | N/A | POSSIBLE |
| DECOMPRESSION | | NOT POSSIBLE | NECESSARY | NOT NECESSARY |
| OUTPUT STABILITY | LIKELY TO BE UNSTABLE | STABLE | LIKELY TO BE UNSTABLE | STABLE |
| GRADATION | STANDARD | SUPERIOR | DEPENDING ON COMPRESSION METHOD | SUPERIOR |
| RESOLUTION | 400 dpi | 400 dpi | DEPENDING ON COMPRESSION METHOD (<400 dpi) | 400 dpi |